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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/735,973
	Filing Date	December 15, 2003
	First Named Inventor	Certa, et al.
	Art Unit	
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	21507 US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Cited References Search Report	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Kimberly J. Prior
Signature	<i>Kimberly J. Prior</i>
Date	June 16, 2004

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Kimberly J. Prior		
Signature	<i>Kimberly J. Prior</i>	Date	June 16, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application

Inventor(s): Certa, et al.

Group:

Serial No. 10/735,973 , filed December 15, 2003
(Ref. No. 21507 US)

Examiner:

For: **MODIFIED PHOSPHODIESTERASE POLYPEPTIDES WITH ALTERED
PHYSIOCHEMICAL PROPERTIES**

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Nutley, New Jersey 07110
Date: June 16, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants respectfully direct the Examiner's attention to the documents listed on enclosed Form PTO-1449.

Documents B6 and C18-C22 listed on Form PTO-1449 are enclosed.

Enclosed is a Search Report, dated June 1, 2004, which was issued by the European Patent Office in the European application corresponding to the captioned application. The Search Report lists Documents B1, B6 and C18-C22.

Document B1 is not enclosed since it has been previously submitted in Applicant's Information Disclosure Statement dated March 15, 2004.

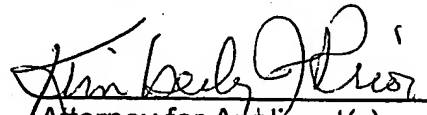
Consideration of all the documents cited on Form PTO-1449 is requested.

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Serial No. 10/735,973
Filed: December 15, 2003

Since the Information Disclosure Statement is submitted before the mailing of the first Office Action on the merits or within three months of the filing date for the above application and/or because each item of information contained in the Information Disclosure Statement was cited in a communication for the first time from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement, no fee is due.

Respectfully submitted,



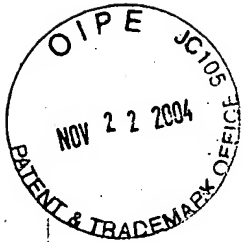
Attorney for Applicant(s)
Kimberly J. Prior
(Reg. No. 41,483)
340 Kingsland Street
Nutley, New Jersey 07110
Telephone: (973) 235-6208
Telefax: (973) 235-2363

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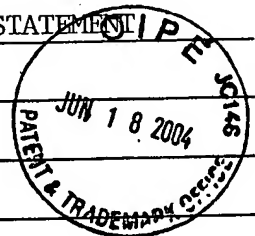
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2150748

Patent Office Stamp

Your SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
Date June 16, 2004
Ser. No. 10/735,973
Filed December 15, 2003
Certa, et al.



MODIFIED PHOSPHODIESTERASE POLYPEPTIDES WITH ALTERED
PHYSIOCHEMICAL PROPERTIES
has been received in this office.

Commissioner of Patents and Trademarks
F/U 6/26/04

KP:jg

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JFW

PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/735,973
Filing Date	December 15, 2003
First Named Inventor	Certa et al.
Art Unit	1645
Examiner Name	
Attorney Docket Number	21507 US

Total Number of Pages in This Submission

ENCLOSURES (Check all that apply)

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<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

-Communication with copies of 3/15/04 Information Disclosure Statement and 6/16/04 Supplemental Information Disclosure Statement (both with corresponding references)

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Kimberly J. Prior
Signature	
Date	11/19/2004

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Kimberly J. Prior		
Signature		Date	11/19/2004

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number

10/735,973

Filing Date

December 15, 2003

First Named Inventor

Certa, et al.

Art Unit

Examiner Name

Attorney Docket Number

21507 US

Total Number of Pages in This Submission

ENCLOSURES (Check all that apply)

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| <input type="checkbox"/> Fee Transmittal Form
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<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
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Remarks

**-References B1 to B5, and C1 to C17;
and
-PTO-1449 Form**

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENTFirm
or
Individual name**Kimberly J. Prior**

Signature

Date

3/15/2004**CERTIFICATE OF TRANSMISSION/MAILING**

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Typed or printed name

Kimberly J. Prior

Signature

Date

3/15/2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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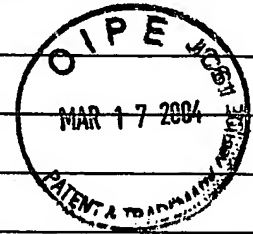
Patent Office Stamp

Your INFORMATION DISCLOSURE STATEMENT (no-fee) WITH REFS.

Date B1 to B5 and C1 to C17
March 15, 2004

Ser. No. 10/735,973 (Ref. No. 21507 US)

Filed December 15, 2003



Certa et al.
MODIFIED PHOSPHODIESTERASE POLYPEPTIDES WITH ALTERED
PHYSIOCHEMICAL PROPERTIES

has been received in this office.

Commissioner of Patents and Trademarks

F/U 3/25/04

KJP:JMF

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application

Inventors: Certa, et al.

Group: 1645

Serial No. 10/735,973, filed December 15, 2003
(Ref. No. 21507 US)

For: **MODIFIED PHOSPHODIESTERASE POLYPEPTIDES WITH ALTERED
PHYSIOCHEMICAL PROPERTIES**

COMMUNICATION REGARDING INFORMATION DISCLOSURE STATEMENTS

Nutley, New Jersey 07110
November 19, 2004

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants submitted an Information Disclosure Statement in the above-referenced application, citing and enclosing references B1 to B5 and C1 to C17, on March 15, 2004. A Supplemental Information Disclosure Statement, citing and enclosing references B6 and C18 to C22, was submitted on June 16, 2004. These Information Disclosure Statements were received in the Office on March 17, 2004, and June 18, 2004, respectively, as evidenced by the enclosed copies of the return acknowledgement cards.

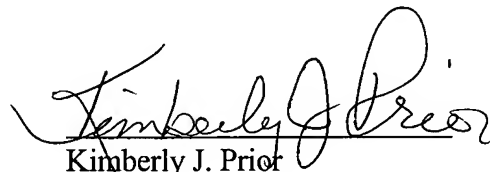
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Serial No. 10/735,973
Filed: December 15, 2003

From Applicants' review of PAIR, it does not appear that either of these Information Disclosure Statements has been matched with the file. To advance prosecution, Applicant is submitting herewith, a courtesy copy of both of these Information Disclosure Statements with copies of the corresponding references.

No additional fees are believed due. However, the Director is hereby authorized to charge any deficit, or credit any overpayment, to Deposit Account No. 08-2525.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Kimberly J. Prior", is written over a horizontal line.

Kimberly J. Prior
Attorney for Applicant(s)
(Reg. No. 41,483)
340 Kingsland Street
Nutley, New Jersey 07110
Telephone: (973) 235-6208
Telefax: (973) 235-2363

Attachments

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application

Inventors: Certa, et al.

Serial No. 10/735,973, filed December 15, 2003
(Ref. No. 21507 US)

For: **MODIFIED PHOSPHODIESTERASE POLYPEPTIDES WITH ALTERED
PHYSIOCHEMICAL PROPERTIES**

INFORMATION DISCLOSURE STATEMENT

Nutley, New Jersey 07110
March 15, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants respectfully direct the Examiner's attention to the documents listed on enclosed Form PTO-1449.

Documents B1 to B5, and C1 to C17 listed on Form PTO-1449 are enclosed.

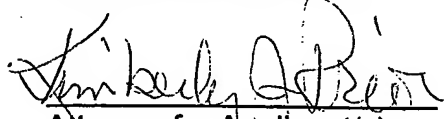
Consideration of all the documents cited on Form PTO-1449 is requested.

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Serial No. 10/735,973
Filed: December 15, 2003

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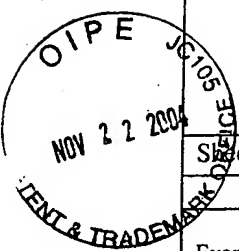
Respectfully submitted,

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Attorney for Applicant(s)
Kimberly J. Prior
(Reg. No. 41,483)
340 Kingsland Street
Nutley, New Jersey 07110
Telephone: (973) 235-6208
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Substitute for form 1449A/PTO				Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Application Number	10/735,973		
				Filing Date	December 15, 2003		
				First Name Inventor	Certa et al.		
Sheet	1	of	1	Attorney Docket Number	21507 US		
U.S. PATENT DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited document MM-DD-YYYY		
		Number	Kind Code ² (if known)				
	A						
FOREIGN PATENT DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ²
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
	B1	WO 02/074992	/		Decode Genetics EHF	09/26/2002	
	B2	WO 00/09504	/		Pfizer Products Inc.	02/24/2000	
	B3	WO 01/35979	/		ICOS Corporation	05/25/2001	
	B4	WO 01/68600	/		Inflazyme Pharm. Ltd.	09/20/2001	
	B5	WO 98/45268	/		Pfizer Products Inc.	10/15/1998	
NON PATENT LITERATURE DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published					T ²
	C1	Beard, M. B. et al., Cellular Signalling Vol. 14 (2002) pgs. 453-465					
	C2	Beavo et al., Molecular Pharmacology Vol. 46, pgs. 399-405 (1994)					
	C3	Perry & Higgs, Curr. Opinion Chem. Biol. Vol. 2 pgs. 472-481 (1998)					
	C4	Houslay & Milligan, Trends in Biochem. Sci. Vol. 22 pgs. 217-224 (1997)					
	C5	Beavo & Reifsnnyder, Trends Pharmacol. Sci. Vol. 11, pgs. 150-155 (1990)					
	C6	Bolger et al., Mol. Cell. Biol. Vol. 13 pgs. 6558-6571 (1993)					
	C7	Houslay, Sullivan & Bolger, Adv. Pharmacol. Vol. 44, pgs. 225-245 (1998)					
	C8	McPhee et al. Biochem. J. Vol. 310, pgs. 965-974 (1995)					
	C9	Hughes et al. Drug Discov. Today, Vol. 2, pgs. 89-101 (1997)					
	C10	Torphy, Am. J. Respir. Crit. Care Med. Vol. 157, pgs. 351-370 (1998)					
	C11	Teixeira et al. Trends Pharm. Sci. pgs. 164-171 (1997)					
	C12	Entman & Smith, Cardiovasc. Res. Vol. 28, pgs. 1301-1311 (1994)					
	C13	Bowie, Science Vol. 247 (1990) pgs. 1306-1310					
	C14	Fritz & Anderson, Methods in Enzymology (2000) Vol. 327, pgs. 3-16					
	C15	Hopp, T. P. (1988) Biotechnology Vol. 6, pgs. 1204-1210					
	C16	Sisk et al. (1994) J. Virol. Vol. 68, pgs. 766-775					
	C17	Owens, et al. Biochem. J. (1997) 326; 53-60					
Examiner Signature		Date Considered					

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation or abstract is attached.

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